



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010557
CERTIFICATION DATE: January 14, 2014
DATE RECERTIFICATION DUE: July 13, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L	0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L	0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

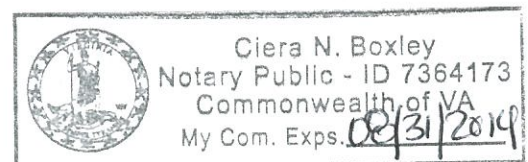
Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 29th day of
January, 2014 by Michelle M. Billeter

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



not

DBH
mmB

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/15/2014**

Instrument Serial Number: 010557 **As of 15-Jan-14**

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
14-Jan-14	14-Jan-14	DBH (21250)	CERTIFIED.
30-Jul-13	30-Jul-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
12-Feb-13	12-Feb-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
28-Aug-12	28-Aug-12	TLN (25387)	CERTIFIED
13-Mar-12	13-Mar-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
19-Sep-11	19-Sep-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
04-Apr-11	04-Apr-11	DBH (21250)	CERTIFIED
18-Oct-10	18-Oct-10	DBH (21250)	CERTIFIED
10-Sep-10	07-May-10	DBH (21250)	REPLACED DRY GAS STANDARD
07-May-10	07-May-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
05-Mar-10	13-Nov-09	DBH (21250)	REPLACED PRINTER
13-Nov-09	13-Nov-09	DBH (21250)	CERTIFIED
04-Jun-09	04-Jun-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
07-Jan-09	07-Jan-09	DBH (21250)	CERTIFIED.
27-Nov-08	27-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DAH
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INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010557 Worksheet Start Date 1/14/2014
Location Northern Neck Regional Jail
Address 3908 Richmond Rd Warsaw VA 22572
DFS Technician Donald Hall License No. 21250

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 750 Reference Barometer (mm HG) 752
Reference Barometer(RB)Serial # 009109 RB Calibration Due 8/1/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.300	0.296	0.287	0.304	0.297	
Precision		sample min	sample max		
0		0.297	0.297	0.297	

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.099	0.096	0.102	0.099	
Precision		sample min	sample max		
0		0.099	0.099	0.099	

Dry gas standard Lot No. (with tank no.) AG227501-22

☐ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50

Notes:

Instrument Serial Number

010557

Certification Date

1/14/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.247	0.239	0.254	Sample 2	0.243
Precision		sample min	sample max	Sample 3	
0.001		0.243	0.244		0.243

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.148	0.143	0.152	Sample 2	0.147
Precision		sample min	sample max	Sample 3	
0		0.147	0.147		0.147

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.079	0.076	0.082	Sample 2	0.079
Precision		sample min	sample max	Sample 3	
0		0.079	0.079		0.079

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	
0		0.019	0.019		0.019

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Donald B. Hall

Date

1/15/14

Issuing Analyst

Michelle Bellin
msk

Date

1/21/14 01/23/14
mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010557 Test Number: 298
Test Date: 01/14/2014 Test Time: 13:40 EST

Technician Initials: DBH

Dry Gas Target: 0.247

Lot Number: 29612250I2-09 Exp Date: 11/01/2014

Tank Pressure: 605 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:40
BLK	0.000	13:41
CHK	0.244	13:42
BLK	0.000	13:43
CHK	0.243	13:44
BLK	0.000	13:46
CHK	0.243	13:46
BLK	0.000	13:48

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

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DBH
mmb

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010557 Test Number: 299

Test Date: 01/14/2014 Test Time: 13:50 EST

Technician Initials: DBH

Dry Gas Target: 0.148

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 193 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:51
BLK	0.000	13:52
CHK	0.147	13:52
BLK	0.000	13:54
CHK	0.147	13:55
BLK	0.000	13:56
CHK	0.147	13:57
BLK	0.000	13:58

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010557 Test Number: 300
Test Date: 01/14/2014 Test Time: 14:01 EST

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 0771308012-01 Exp Date: 05/01/2015

Tank Pressure: 781 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:01
BLK	0.000	14:02
CHK	0.079	14:03
BLK	0.000	14:04
CHK	0.079	14:05
BLK	0.000	14:06
CHK	0.079	14:07
BLK	0.000	14:08

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH
MMB

Intox EC/IR-II: Certification

DBH
mmB

Department of Forensic Science

Serial Number: 010557 Test Number: 301

Test Date: 01/14/2014 Test Time: 14:11 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 693 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:11
BLK	0.000	14:12
CHK	0.019	14:13
BLK	0.000	14:14
CHK	0.019	14:15
BLK	0.000	14:16
CHK	0.019	14:17
BLK	0.000	14:18

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010557 Test Number: 302

Test Date: 01/14/2014 Test Time: 14:21 EST

Dry Gas Target: 0.296

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 178 psi Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:21
CHK	0.297	14:22
BLK	0.000	14:24
CHK	0.297	14:25
BLK	0.000	14:27
CHK	0.297	14:27

Test Status: *Success*

Calibration CRC: 3E7EEA90

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Intox EC/IR-II: Accuracy Check

DBH
mmB

Department of Forensic Science

Serial Number: 010557 Test Number: 303

Test Date: 01/14/2014 Test Time: 14:30 EST

Dry Gas Target: 0.099

Lot Number: AG227501-22 Exp Date: 10/01/2014

Tank Pressure: 428 psi Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:31
CHK	0.099	14:32
BLK	0.000	14:33
CHK	0.099	14:34
BLK	0.000	14:35
CHK	0.099	14:36

Test Status: *Success*

Calibration CRC: 3E7EEA90

DBH
mmB




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/14/2014
TEST EQUIPMENT NUMBER 010557		

RESULTS: TIME SAMPLE TAKEN 14:45 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 15 Jan 2014 at 08:48

DBH
mmB

Test Results

Instrument Serial Number 010557

Test # 000304 Subject Test

Test Location 1 Department of
Test Date 14 Jan 2014

Test Location 2 Forensic Science
Test Time 14:39
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 14 Jan 2014 End Time 14:47

Result Time 14:45

Result Date 14 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:39

Data Type BLK

Sample Value 0.000

Sample Time 14:40

Data Type CHK

Sample Value 0.098

Sample Time 14:41

Data Type BLK

Sample Value 0.000

Sample Time 14:42

Data Type SUBJ

Sample Value 0.000

Sample Time 14:43

Data Type BLK

Sample Value 0.000

Sample Time 14:44

Data Type SUBJ

Sample Value 0.000

Sample Time 14:45

Data Type BLK

Sample Value 0.000

Sample Time 14:46

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG227501-22

Standard Expiration Date 10/01/2014

Tank Pressure 424

Barometric Pressure 751 mmHg

Blow Sample Number 1 Blow Duration 3.42 sec

Blow Volume 1770 cc End-of-Blow Time 14:43

Blow Sample Number 2 Blow Duration 3.59 sec

Blow Volume 1896 cc End-of-Blow Time 14:45

Tamper Evident Stamp 7b73240e

Test Status Code 0

Test Status Success